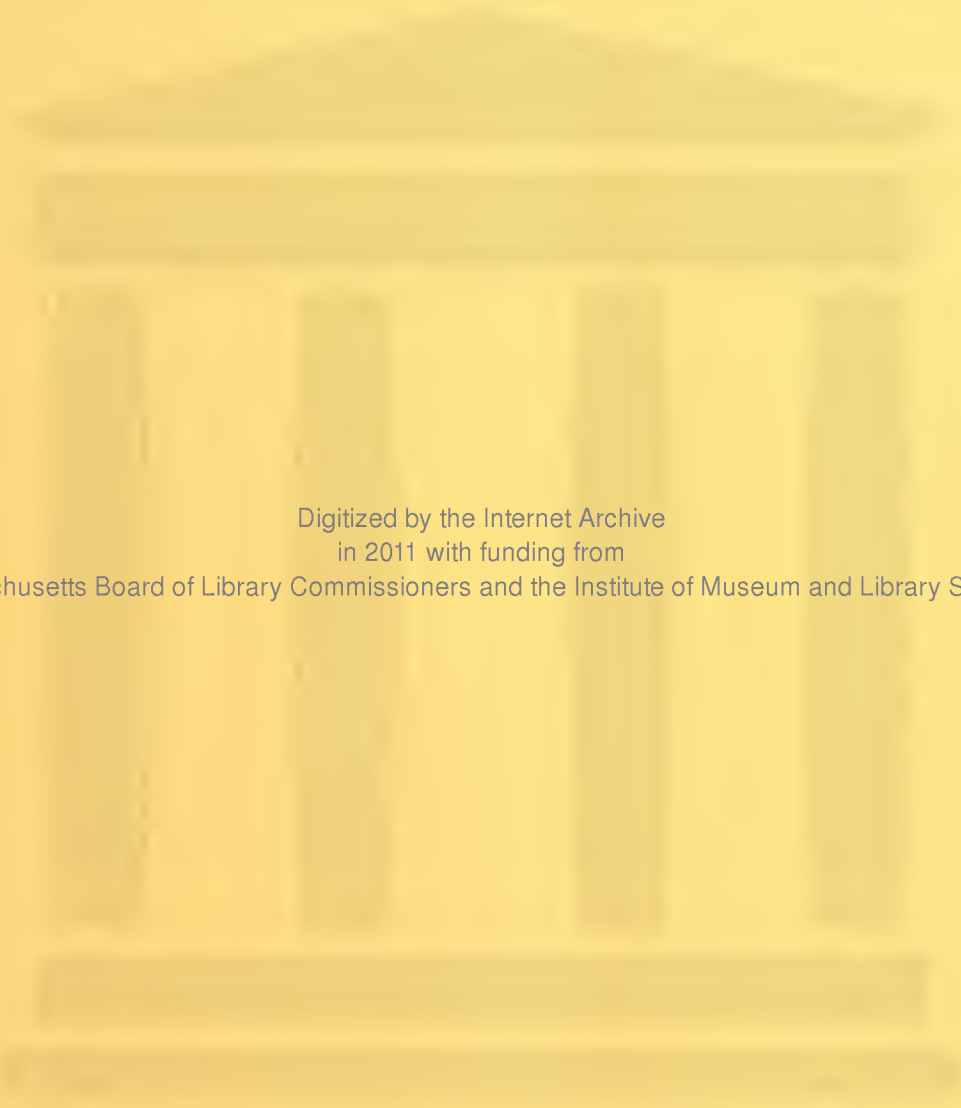
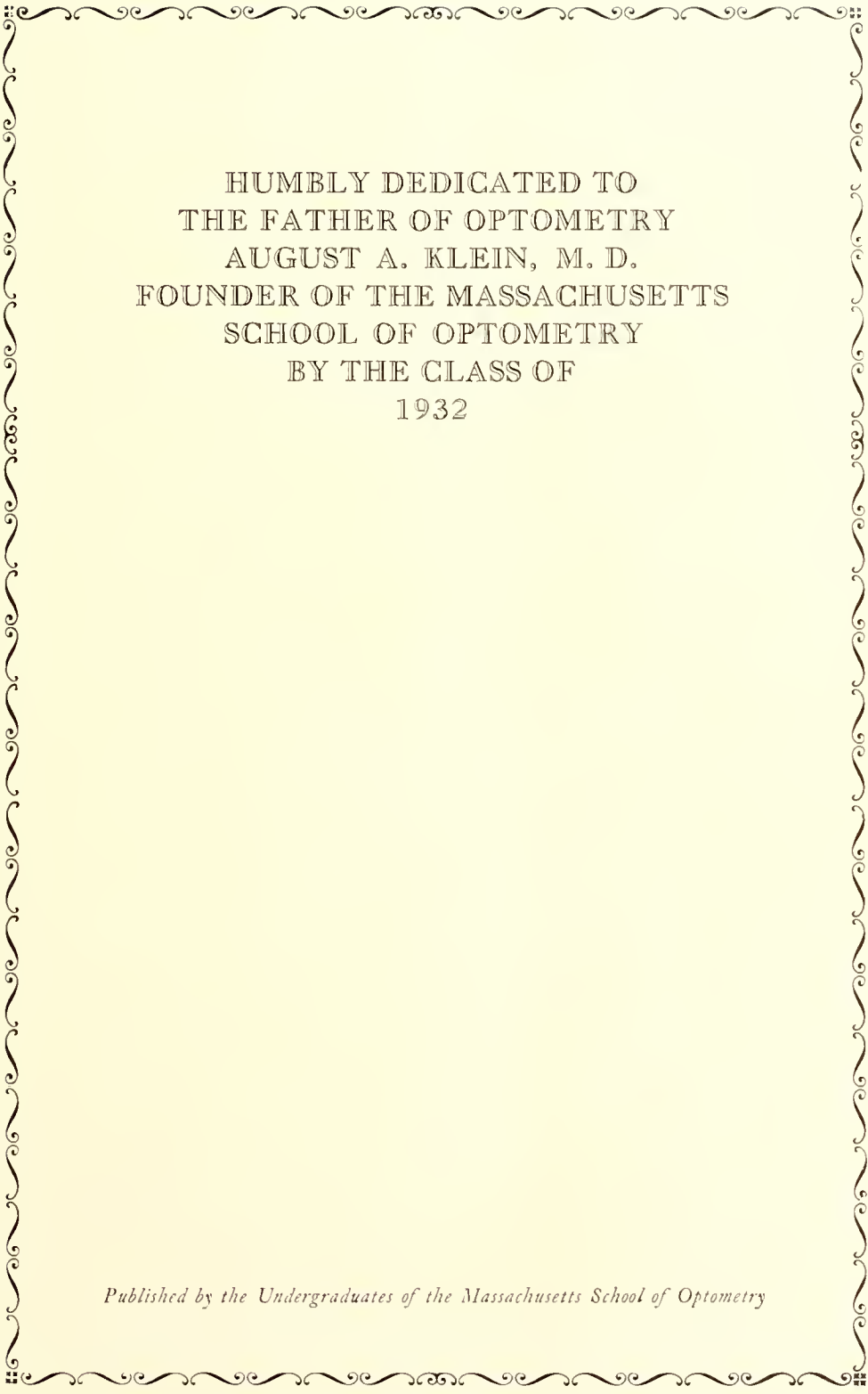


THE SCOPE
Graduation Number
JUNE 1932





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HUMBLY DEDICATED TO
THE FATHER OF OPTOMETRY
AUGUST A. KLEIN, M. D.
FOUNDER OF THE MASSACHUSETTS
SCHOOL OF OPTOMETRY
BY THE CLASS OF
1932

Published by the Undergraduates of the Massachusetts School of Optometry

Faculty



Joseph I. Pascal, A. B., M. D.
Physiological Optics



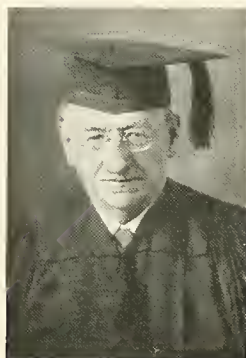
David Y. Cohill, M. B., M. D.
*Embryology and
Physiology*



Dr. Albert E. Sloane
Pathology and Hygiene



Guy C. Blodgett, B. S.
Theoretic Optics



August A. Klein, M. D.
Dean



Dr. Theodore F. Klein
*Registrar
Theoretic and Practical
Optometry*



Miss Alyce McCabe
Secretary to Registrar



Dr. Ralph Green
*Perimetry and Theoretic
Optometry*



Dr. Wilhelmina Svendsen
Anatomy

SHORT CUTS

By DR. THEODORE F. KLEIN

Those who have been over the road know that there is no short cuts to success. We know that success cannot be bought in a book. It must be lived in a life. But each on-coming generation must learn its own lesson, purchase its own knowledge, with the coin of experience.

Cardinal Logue, was asked how many sermons a preacher could prepare in a week. Smiling, Cardinal Logue answered: "If the preacher is a man of extraordinary ability, he can prepare one sermon; if a man of average ability, two; if a blockhead, ten or twelve."

Beware of Short Cuts in Securing an Education.

There are two classes of college graduates—those who get a college education and those who get a college diploma—those who did not short cut and those who did. Are you educated? Perhaps you are graduated. Some people are graduated, but not educated, while some are educated, but have never been graduated. A university training alone never educated one, nor did the lack of such training ever keep a person from being educated, if he had the right stuff in him.

Education is not information. The walking encyclopedia may be a joke. Education is inspiration. It is self-reliance. It is self-supporting. It is self-adjusting. It is integrity and character.

Graduate, if possible, by all means, even if the price you pay is blood and sweat and tears and agony and midnight kerosene. But whether graduated or not, strive to be educated.

When James A. Garfield was president of an Ohio College a man brought for entrance as a student his son, for whom he wished a shorter course than the regular one. "The boy can never take all that in," said the father. "He wants to get thru quicker. Can you arrange it for him?" "O, yes," said Mr. Garfield. "He can take a shorter course; it all depends on what you want to make of him. When nature wants to make an oak she takes a hundred years, but it takes only two months to make a squash."

Wisdom never opens her doors to those who are not willing to pay the price of admission. There are no bargains at her counters, no short cuts to her goal. "Pay the price or leave the goods," is her motto.

Beware of Short Cuts in Your Personal Appearance.

"No seedy looking people wanted here!" So runs a sign over the employee's entrance of a prosperous business house. This may sound callous to the man or woman who is down and out, looking for a job, but it is simply common sense business philosophy. The man who hires all the sales people for one of the largest retail stores in Chicago says: "While the routine of application is in every case strictly adhered to, the fact remains that the most important element in an applicant's chance for a trial is his personality.

Your personal appearance, your dress, your manner, everything about you, the way in which you keep yourself groomed, how you carry yourself, what you say, how you act, all these things are to you what the show windows of a merchant's store are to his business, the way he advertises and displays his goods. He knows that the people who pass his store will get a pretty good idea of the class and quality of the goods he keeps, of the sort of concern he runs, from what they see in the window. Your appearance will be taken as an advertisement of what you are. It is constantly telling people whether you are a success or a failure; and where people place you in their estimation will have a powerful influence upon your career.

If there is Absolute Squareness in School and in Manners, it will not be Difficult Matter to Play Fair when You enter the Business or Professional World.

John's father had a large store. John had finished college, and was ready for work. "What would you like to do, my boy?" questioned his father. John's answer was ready: "I would like to go into business with you." "Well, I am glad of that; but how are you going, by the stairs or the elevator?" John was puzzled till father explained. "There are two ways of getting up, by climbing or by being lifted without any work on your part. I can lift you into a place in the office with me at once, but you would only have the position without knowing the business. If you begin as a clerk and climb to the office, you will be fitted to take the place with me. What shall it be, John — the stairs or the elevator?"

"I'll choose to climb, sir," was John's sensible answer.

"Waiter," said the indignant customer, "What does this mean? Yesterday I was served for the same price with a portion of chicken twice the size of this." "Where did you sit?" "Over by the window." "Then that accounts for it. We always give people who sit by the windows large portions. It's an advertisement."

It should be placarded over business, big and little. "The art of business is the art of being honest." There is too much veneer in life, too little of that solid quality we name honesty. Old furniture is at a premium. It has the real stuff in it. There is too much of makeshift in building, the substitution of inferior for goods of real value. Old building were made to stand. Modern buildings are too often made to sell.

There is one thing I want you young men to remember as long as you live. It is this: Whenever you observe a group of men ordering the drinks, trading chimney-sweep stories, spitting out the profanity, be very sure that these men are rarely or never Big Business.

They will generally be found to be a bunch of small-place Nobodys, jiggling along on the way to Nowhere. Big Business is sitting out there in the car with good books and good thoughts and keeps itself away from that kind of society.

A California philosopher expresses the hope that in his next incarnation he shall be half Irish and half Hebrew. "For," he says, "The Irishman is happy as long as he has a dollar, and the Hebrew always has it."

It is all right to spend money to make character; it is all wrong to spend character to make money. In business and profession, be sure that honesty is the policy and be what you appear to be.

Beware of Short Cuts in Your Religious Life.

There is One Thing Which the Almighty Despises, it is a Hypocrite.

The world is full of men and women who think they can cheat God by the short cut.

An old darky got up one night at a revival meeting and said: "Brudders an' sisters, you knows an' I knows dat I ain't been what I oughter been. Ise robbed hen roosts an' stole hawks an' tole lies, an' got drunk, an' slashed folks wi' man razoe; but I thank the Lord der's one thing I ain't nebber done; I ain't nebber lost mah religion."

American life at present seems to be afflicted with a plague of liberty. There is so much hollowness and unreality, so much veneer in character and work, that it behooves us to preach aloud the gospel of thoroughness. A short time ago some workmen were engaged in trying to remove a piece of old London Wall. They tried with hammers, then with pick-axes, then they had to borrow the help of some stalwart navvies, but to no purpose, the walls seemed to smile at all their efforts; at last they were obliged to have recourse to boring, and blowing it up like a piece of solid rock. That is hardly the way they build now-a-days, for a man might almost push over some of our brick walls with his hands.

It took Gibbon nineteen years to complete his greatest book, "The Decline and Fall of the Roman Empire." Yet some of us throw up our hands when success does not heave into sight after nineteen weeks of half-hearted labor!

Boy wonders have existed. But in some cases the crown of glory comes only after years of patience, steady application and unceasing toil. We read much about the flash of inspiration, the breathless rushing here, there and everywhere, and, finally the glorious and dramatic conclusion amidst the blowing of trumpets and the plaudits of the assembled multitude.

We read of these things—but we don't see them often. On the contrary we have Carlyle completing his greatest book in his forty-second year; Dante finishing his at fifty-three, after eighteen years of work on that one alone!

Nothing about these things that look like flashes in the pan. Nothing but hard work. No short-cuts to fame here. These men realized that slap-work does not make for success. So they chose to toil rather than to spin.

Others in their time went their own sweet way. But the difference between their achievements is the difference between a shanty and a monument. So don't grumble, as it takes time. Results count.

Dr. J. I. Pascal---The Teacher

Lectures Prove Very Illuminating

The students are greatly indebted to Dr. Klein for securing the services of the eminently renowned J. I. Pascal, M. D., A. B., to teach Physiological Optics at M. S. O. Dr. Pascal's presentation of (to the average student) a thoroughly dry and disinteresting subject is most commendable. He possesses the faculty, or gift, which must be inherent in the successful conscientious professor, of knowing when the student is following the trend of thought, and he takes it upon himself to see that each student gets as much out of each lecture as the latter is capable of absorbing. As a result, this year's graduating class is more fully equipped, from the point of knowledge imparted to them, to follow the science of Optometry than any class which has heretofore matriculated at the Massachusetts College. We sincerely wish that arrangements can be made to have Dr. Pascal continue as a member of the faculty for the benefit of Optometry in general, and for future students who will attend M. S. O. in particular. The seniors rise to thank you Doctor.





THE SCOPE STAFF

M. S. Bemis	S. Lestch	R. C. Hyland	J. W. O'Brien	C. M. Baker
R. W. Baker	J. E. Asarkoff	G. E. Bradley	F. H. Namias	Miss G. Monaghan

The Scope Staff

Editor-in-Chief, G. EDWARD BRADLEY

Senior Associate Editor, JOHN E. ASARKOFF

Business Manager, FOSTER NAMIAS

Senior News, SOLOMON LESTCH

Joke Editor, THEODORE H. COUCH, Jr.

Junior Associate Editor, JOHN T. BEDELL

Associate Business Mgr., RICHARD W. BAKER

Alumni Editor, MILLARD S. BEMIS

Junior News, ROBERT C. HYLAND

Circulation Manager, CLARENCE M. BAKER

Assistant Circulation Managers

GERTRUDE MONAGHAN

JOHN W. O'BRIEN

Faculty Advisor, ALYCE M. McCABE

Senior History

C. M. BAKER, '32.

Twenty-one short months ago the faculty of this school observed twenty-six new faces entering the portals, seeking knowledge in the mysteries and magic of Optometry. Most of the faces were new to each other. Each on the threshold of a new adventure, wondering what the others would be like, but common aims and common desires soon welded them into one solid mass, which we modestly proclaim has been 100% loyal.

We were first impressed with the obstacle of acquiring the vernacular of the profession. Names, many and long, were passed out for our assimilation and we endeavored to learn what it was all about. By Thanksgiving recess we began to feel capable of solving the eye troubles of the world, but the patient persistence of our instructors has brought us now to a realization that we are still embryos, about to be thrust upon the cruel world, still seeking our goal, with this important milestone about to pass into the realm of pleasant memories.

We have studied and played, some more than others, some less seriously, yet all with the end in view of meriting an engraved scroll from the hand of Dr. Klein.

The teamwork of our class has been above reproach. Our class functions have been proof of this co-operation. From our Christmas Party, through our dances, school banquets, and the trips to Southbridge, the display of talent and spirit has been made manifest in unmistakable manner.

When we parted at the end of the first year, the sentiment of a few gave rise to the belief that they were discouraged and did not expect to return, but when the fresh September breezes recalled us from our summer diversions, we answered the roll call to a man. We welcomed to our ranks John Brennan and Dan Kuperstein, both of whom have proved worthy fellows and good mixers.

The officers of our class deserve commendation. C. W. Pride, President, R. W. Baker, Vice-president, T. H. Couch, Secretary, and Foster Namias, Treasurer, were so capable in our Junior Year, that they were unanimously re-elected to guide us through our Senior Year. The brunt of the burden has fallen on our President and Treasurer. It would be hard to find a more efficient or conscientious incumbent for either office.

Our associations have been all too short. Our friendships will last as long as our physiological functions continue. Our memories will bring us many a smile, and our future perhaps, may bring an embryonic likeness which we can send to M. S. O.

This Year Book will be a cherished treasure. Its pages will recall the scenes which we are now enacting. Its pictures place us all upon review, yet we would none of us wish to continue here in a circle of endless study and pleasure. We all face the future with a desire to achieve success, to make a practical application of that knowledge which we have gained from those who have so thoroughly and patiently endeavored to prepare us for our life work.

May our contribution to society in our chosen profession, and our standing among the members of the craft, reflect due credit upon our instructors and this school, our Alma Mater.



JOHN E. ASARKOFF—"Jack," "Asie"

194 Normandy St., West Roxbury, Mass.

"A leader is also a worker."

Jack can be depended upon to do his share whether it be The Scope, the Fraternity or his Class. No, those fuzzy notes on his Sax are not caused by his moustache—that's jazz.

Assistant Circulation Manager, Scope '31

Senior Editor, Scope '32

Class Banquet Committee '31

Pi Omicron Sigma '31, '32

Scribe Pi Omicron Sigma '32

Senior Prom Committee '32

Junior Smoker Committee '31

Senior Smoker Committee '32

CLARENCE M. BAKER—"C. M."

126 Warren St., Needham, Mass.

"A strong back knows no encumbrance."

The official class "Emcee." Regardless of the task, momentous or menial, you but had to call on "C. M." and you were assured of a first-class job. Whether it was writing for the Scope, collecting money, or acting as Master of Ceremonies, your worries were past history when Clarence took the assignment. A quick thinker, gifted with a subtle sense of humor and an even disposition. Success will surely be his.

Junior Smoker Committee '31

Senior Smoker Committee '32

Toastmaster Class Banquet '32

Winner Clinical Excellency Medal '32

Circulation Manager Scope '32

RICHARD BAKER—"Dick", "W. G.",
"Frothingham"

222 Gray St., Arlington, Mass.

"A dillar, a dollar, a ten o'clock scholar."

Dick is a penman and an artist. Chooses well his words and often chooses to ask questions. Doesn't want a key to his own office as he says his secretary will always open it. Affects odd neckties.

Vice-President Junior Class '31

Vice-President Senior Class '32

Pi Omicron Sigma '31, '32

Associate Business Manager, Scope '32

MILLARD BEMIS—"Snapper." "Mil."

Dublin, New Hampshire.

"Let us eat, drink and be married."

Snapper is the typical serious scholar of happy disposition and a lover of bridge. A man of firm convictions, but of maker of friends. He sets the style in ties and shirts.

Pi Omicron Sigma '31, '32

Senior Alumni Editor Scope '32

The Scope



DAVID B. BLANCHARD—"Bert," "Date."

476 Hall St., Manchester, N. H.

Always ready for some fun, but never shirking when work's to be done."

The kid of the class. He is fast on his feet, fast in his studies, and Oh Boy, how his fingers can travel over a banjo. He owes no one a grudge, and if he ever has wrinkles in his face, they won't be caused by frowning.

Graduating Cum Laude

Banquet Committee '32

Pi Omicron Sigma '31, '32

Class Prophecy.



G. EDWARD BRADLEY—"Ed," "Eddie,"

"Brad."

27 Warner St., Somerville, Mass.

"Still water can cover a wealth of gold."

Ed is blessed with more than his share of talents. Looks, disposition, personality, athletic ability and brains. He is a two fisted fighting Irishman, but above all a perfect gentleman.

Junior Smoker Committee '31

Junior News Editor Scope '31

School Banquet Committee '31

Editor-in-Chief Scope '32

Senior Smoker Committee '32

Senior Gift Committee '32

Class Will.



JOHN BRENNAN—"Jack"

17 Perry St., Brookline, Mass.

Few words are a part of Wisdom."

John is quiet, likable, cheerful, a good fellow, and what have you? Knows his stuff but doesn't have to beat a drum or wear placards announcing it.

Pi Omicron Sigma '30

Secretary Class '31.



ALBERT H. CARTER—"Al."

41 Earl St., Malden, Mass.

"Dignity of manner always conveys a sense of reserved force."

Al wants no frills or flourishes. Doesn't intend to wear gold braid in his office. A good scholar, a good friend, and a confirmed bachelor. Success will follow him like a shadow.

Graduating Cum Laude.

Pi Omicron Sigma '31, '32

Class Historian.

The Scope



THEODORE H. COUCH, Jr.—"Ted," "Teddy."

85 Marbury Ave., Pawtucket, R. I.

"He sees Art in everything."

Teddy never will die from worry. He has a keen mind and a genius for creation, a lover of fast cars, and fast figures. Yes, Teddy is good at Math.

Class Secretary '31, '32

Joke Editor Scope '32



EDWARD FEINSTEIN—"Ed," "Eddie"

4 Glenarm St., Dorchester, Mass.

"He warded off no friend."

Ed is a sincere friend, a great bowler and a man of whom we expect much in the future, basing our prediction on the manner in which he engages and conquers T. O. problems.

Pi Omicron Sigma '31, '32

Class Gift Committee '32



ELI FIREMAN—"Elliot."

15 Pearl St., Portland, Me.

"He's got a line like a fisherman, and plenty of bait."

Altho our friend from the Pine Tree State is not what one might call reticent, he is, however, a likeable fellow and will be remembered by all for his diagnosing of cases in Practical Optometry.

Pi Omicron Sigma '31, '32

P. O. S. Sergeant-at-Arms '32



ALBERT HOFFMAN—"Al," "Hoff."

32 Porter St., Malden, Mass.

"Speech, when properly applied, works wonders."

The man of many questions and great words. Mrs. Hoffman's son Albert may often want to know the why and wherefore of many things but we have also found out he is quite a pianist. Thoroughness, sincerity, and resourcefulness are a few of his assets.

Pi Omicron Sigma '31, '32

The Scope



LEWIS KAMINSKY—"Kammy," "Louie,"

2848 West 25th St., Brooklyn, N. Y.

"When better mustaches are nursed Louie will nurse them."

N. Y. Clubman and after-dinner speaker. Received his loquacious and genial personality from being reared at Coney Island, Valentino's reincarnation. (Take a bow, Louie.)



JULIUS KOPANSKY—"Kop."

111-16 Farmer's Blvd., Hollis,

Long Island, N. Y.

A rugged body sheaths a stout heart." The man with the curly locks that are the envy of many an admiring damsel is sure to have a large number of feminine patients included in his clientele. "Kop" is an earnest student and one whom we are sure will succeed in his chosen profession.



DANIEL KUPFERSTEIN—"Dan," "Koob,"

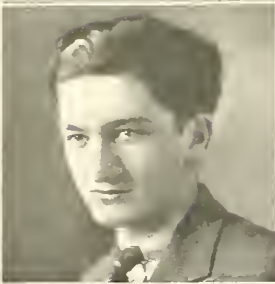
"Little Caesar."

143 Franklin Ave., Chelsea, Mass.

"Veni, Vidi, Vici."

Why, he just blew in and gave us the once over and conquer, say—he conquered everything, everybody and came thru with colors flying and all sails set. Good luck, Dan.

Pi Omicron Sigma '32.



SOLOMON LESTCH—"Solly," "Sol," "Letchy"

2147 Honeywell Ave., Bronx, N. Y.

"I came, I saw, I conquered."

A student to the core, of whom M. S. O. might well be proud. He is symbolic of a good-natured personality who will make some lucky girl in Mattapan a good Benedict.

Graduating Cum Laude.

Pi Omicron Sigma '31, '32

Treasurer P. O. S. '32

Senior News Editor, Scope '32

Class Banquet Committee '31

Senior Prom Committee '32

Junior Smoker Committee '31

Senior Smoker Committee '32

Class Salutatorium.

The Scope



1932



WENDELL MANNING—"Wen"

195 Grove St., Wellesley, Mass.

"A lovable nature with a passion for knowledge." New Hampshire is in need of a first class Clinic so we are all pulling for you, Wen.

Pi Omicron Sigma '31, '32
Senior Gift Committee '32.



JOSEPH F. MONTMINY, Jr.—"Joe."

723 Moody St., Lowell, Mass.

"God's own Gift to Girls — and Optometry. Diversion is a requisite for the assimilation of knowledge. The more one studies the more recreation one should have. I crave knowledge."

Pi Omicron Sigma '31, '32
P. O. S. Vice Chancellor '32
Junior Smoker '31
Senior Smoker '32
Junior Prom '31
Senior Prom '32
Class Banquet '31



FOSTER NAMIAS—"Hank"

30 Melville St., Fall River, Mass.

"A Man among men. A Scholar among scholars."

A combination of Intelligence, Personality and Modesty, he has won the honor, respect and love of his fellow-students. Honors come what may, he will always be "Hank" to "the boys."

Graduating magna cum laude
Class Treasurer, '31, '32
Business Manager Scope '32
Pi Omicron Sigma '31, '32
P. O. S. Chancellor '32
Valedictorian '32.



CECIL W. PRIDE—"Cec"

"Our President." He has the strength of his convictions. Let no man cross him lest he be prepared to prove his point.

Junior Class President '31
Senior Class President '32
Member Executive Committee '31, '32.
Pi Omicron Sigma '31, '32

The Scope



CHARLES PROULX—"Charlie," "Long John."
20 Temple St., West Roxbury, Mass.
"Men of few words are best."

The Sphinx of the class was he. Ever quiet and in the background, but my, how those new theories of his did pour forth when called upon in class.



THOMAS E. SHEERIN—"Tom," "Tommy."
11 Richmond St., New Bedford, Mass.
"Wit is the salt of conversation."

Tommy, your classmates will miss your wit, humor and smiling countenance. We all hope you will have a large practice in "your" New Bedford.



BENJAMIN SNYDER—"Ben," "Bing."
39 Longfellow St., Dorchester, Mass.
"Music hath its charm"

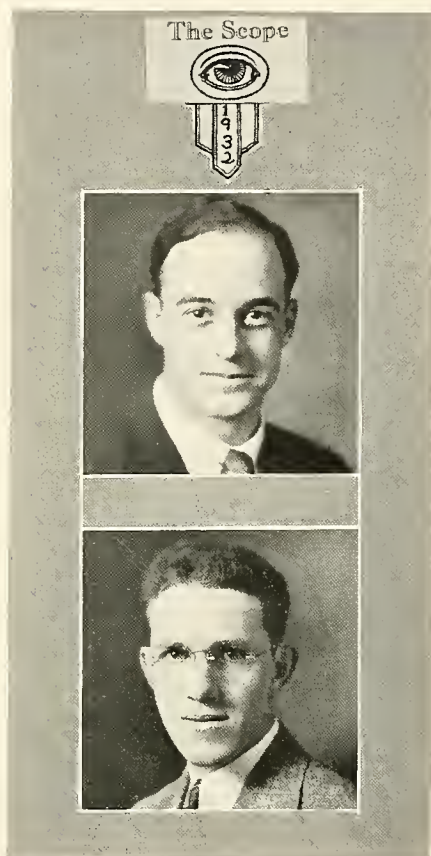
His ready smile, happy disposition, and bushy hair will always be remembered by his classmates. Will we ever forget that impersonation of Bing Crosby at the Class Banquet? Ben is one in a million, to know him is to love him. Dorchester might well be proud to call him "son."

Pi Omicron Sigma '32
Class Banquet Committee '32



MARIANO SOSA, Jr.—"Nano," "Gagg."
24 Peru Ave., Panama City, Panama.
"To our shores he comes in quest
of Knowledge."

Our little friend from the Republic of Panama was quick to learn our ways and language. He has a smile and a hearty slap on the back for every one. May all the pretty Spanish girls in Panama flock to him in droves for ocular advice.



ORAMEL W. SWAIN—"Orrie."

122 Franklin St., Concord, N. H.

"Upon those who honestly toil will Success surely beam."

The boy of the class who was most quiet, studious and least heard from. He can quote authorities from text by the page number and paragraph. My, my, "Orrie" but those hours you spent on the books.

Pi Omicron Sigma '31, '32.

RAYMOND WARSAW—"Ray."

179 Vernon St., Rockland, Mass.

"A man noble in thought and brilliant in speech."

He lives far away from gay cities and the ways of women. What keeps our "town duke" so busy out thar in that thar municipality of Rockland? And say, how about the "way" from Rockland to Boston?

Pi Omicron Sigma '32.

Who's Who in the Senior Class

- Best All Round—Foster Namias.
- Most Popular—Ed Bradley.
- Most Talented—Dave Blanchard.
- Most Intellectual—Foster Namias.
- Most Athletic—Ed Bradley.
- Most Humorous—Ted Couch.
- Best Disposition—Tom Sheerin.
- Latest to Class—Dick Baker.
- Best Dressed—Jack Asarkoff.
- Most Proficient Card Player—Sol Lestch.
- Class Grind—Ossie Swain.
- Most Forward—Eli Fireman.
- Class Beau Brummel—Joe Montminy.
- Best Excuse Giver—Dick Baker.
- Quietest—John Leggat.
- Most Professional—Jack Asarkoff.

Form and Color Fields

By FOSTER H. NAMIAS, '32

The field of vision, as we know, is the whole of space visible when we are fixing upon any object. With the changing of our point of fixation the fields naturally change their areas, however, remaining practically the same.

The image of the point of fixation falls upon the fovea. It is here that we read, and for this reason, many refractionists pronounce a patient's vision as normal, when the case may be far otherwise.

More important to the patient is a normal para-central and peripheral field. My choice would most emphatically be in favor of the latter. It is often the case that one may be able to distinguish a minute object at a great distance yet be unaware of the presence of a speeding automobile almost directly within one's path outside the central field.

Nature has given us central vision by which we may read or closely study an object. More important, she has given us peripheral vision that we may protect ourselves from whatever dangers may approach us. With this in mind, we can understand the importance of a wide field.

The visual apparatus has oftentimes been compared to a telephone system, with its receiver, wire and station. Trouble is apt to occur at any point along the line and be of various kinds. The perimetrist is the "trouble shooter" whose duty it is to locate the position and nature of the trouble.

Fields may be charted either on the perimeter or campimeter, the former is especially adapted for peripheral study while the latter is adapted for the central and para-central area up to 30 degrees.

When vision is poor due to a central scotoma so that the patient is unable to fix with that eye, a red glass may be used over the patient's good eye with a fixation object of the complementary color (green). For all practical purposes, however, a large fixation object may be used.

The examiner must keep in mind that perimetry is not an exact science but a subjective test. Therefore, while all refinements in either the perimeter or campimeter are of value, their necessity must be estimated with a sense of proportion.

As facial characteristics will affect the sizes of the fields, the positions of the eyes, brows, nose, and cheeks should be taken into consideration in analyzing the finished graph.

The patient should be made acquainted with the test objects—demonstrating the nature of the technique, that he may co-operate more intelligently. It is well to demonstrate the blind spot. This will impress upon him the necessity of steady fixation even though the test object disappears.

Conserve the patient's energy by concentrating attention on the defective areas bringing out the features of most diagnostic value. Most technicians chart the blind spot first, then the form and color fields, then look for scotomata.

In charting the color fields record the position of the spot where the patient recognizes the color with the same degree of saturation as it appears to him with central fixation. The various colors go through various changes before reaching their "full saturation," therefore the patient is to be carefully instructed in this phase.

It is well to remember: first, that the shape of the field (within limits) is more important than the size; second, that rapidity of examination and comfort of the patient are of prime importance, and third, that the scope of perimetry is limited on the one hand by the nature of the tests involved, on the other by the ability of the patient to respond to them.

When the contractions of the fields are uniform or concentric, one may look for FUNCTIONAL rather than ORGANIC causes.

As a rule, the depressions are not uniform. In charting scotomata, the defect is absolute when no light perception exists. For this reason a strong light should be used on all scotomata as it will be found that absolute defects are not as common as lesser tests might lead us to believe. (This is of importance to the optometrist specializing in the development of vision in amblyopic conditions.) Vision for colors may be seriously affected while the field for white remains practically unchanged and vice versa.

Any enlargement of the blind spot, relative or indistinct, is indicative of a pathological change. An enlargement of two degrees is considered as pathological. The direction of the enlargement is of vital importance. An enlargement from above and below indicates glaucoma. In toxic amblyopia and myopia of a high degree, the enlargement is toward the fovea. In glaucoma, perimetric readings have shown us that changes take place in the peripheral fields especially on the superior nasal side leaving the central area more or less unaffected. In its incipient stages glaucoma yields to medical and surgical treatment, in the latter stages, due to atrophy and hemorrhages, if it yields at all it is with a variable amount of success. Inasmuch as early treatment is necessary for success in glaucoma, early recognition of the condition cannot be too greatly stressed.

In choroidal disturbances the fields of red and green are usually contracted with a fairly normal blue and form field. Disturbances of the rod and cone layer of the retina have the reverse affect, there being a shrinkage of the blue fields while there is little change in the fields for red and green.

Much can be said in regard to various perimetric signs in various conditions but I believe it would be unwise to delve further into the subject at this time. However, a few simple marks which optometrists might follow to a certain degree would not be amiss.

GREEN

Involvements of the green fields are indicative in most cases of focal infections. This in turn may (from the toxemia) cause some form of retinal disease. Choroidal involvements may be due to some direct source of infection.

In green constriction, look for abscessed teeth, sinus infections, diseased tonsils or foci of infection of any kind. Acute poisons of various types can be the cause.

RED.

A constricted red field when not secondary to green constriction primarily indicates a systemic toxic condition. When both fields are constricted the toxemia is becoming general. A high leucocyte count will substantiate this diagnosis.

The general systemic depression may be caused by faulty diet, intestinal stasis, or anything causing a general systemic poisoning.

BLUE.

The involvement of the blue field is often indicative of an organic disorder. A specific heart involvement will contract the blue field prior to any disturbance of the red or green. On the other hand an ulcerated tooth could cause heart trouble. In this case there would first be a constriction of green, the red involvement being secondary.

In general systemic toxemia the blue field is seldom constricted alone. There is usually a contraction and overlapping of red and green fields.

TOXIC AMBLYOPIA.

Toxic Amblyopia may be caused by two general types of poisoning, exogenetic or endogenous.

Exogenetic poisons are usually self-administered such as coffee, tea, tobacco, alcohol, etc.

THE SCOPE

Endogenic poisons are usually generated within the body, i. e., diabetic poisonings, glandular, kidney, etc.

A distortion and contraction of the form field combined with interlacing of the fields for color is indicative of infections due to exogenic poisons.

In tobacco amblyopia there is first a constriction and interlacing of the red field, the form field becomes distorted. There is usually an enlargement of the blind spot and the red field will be most contracted especially in the upper and outer quadrant. It may be unilateral or bilateral.

Endogenic poisonings usually leave the field contracted while distortion is less marked. The form and color fields are affected alike. Certain drugs, such as quinine and aspirin affect the field as endogenic poisons.

In the early stages there will be a marked enlargement of the color field with probable contractions in either the lower or upper areas possibly towards the nasal side.

The color field becomes greatly constricted in the advance stages. This is also true of the form and white field. Under treatment the return to normal is slow being more marked laterally than vertically.

Perimetry thus offers us a means of diagnosing impending pathology long before the exploration of the fundus with the ophthalmoscope can offer assistance. With this means at the disposal of the optometrist skilled in color field analysis, he may be able to enter new fields of useful professional endeavor.

As Brombach states, "This method of optometric interpretation of color fields may well take the place that X-Ray analysis occupies in dentistry."

REFERENCES:

"An Introduction to Clinical Perimetry" by H. M. Traquaire.

"The Principals and Practice of Perimetry" by Peters.

"Practical Guide for Charting and Interpreting the Visual Fields" by Wm. A. Mendelsohn.

Dr. Svendsen's School Clinic

Students appreciate Anatomy teacher's interest

The senior class wish to extend humble and profound gratitude to Dr. Wilhelmina Svendsen, who through unstinted and unselfish effort, established a wonderful clinic at the school. The students had complete charge of their patient under the supervision of Dr. Svendsen, and each student who took an interest received an immeasurable amount of good out of this method of conducting a clinic. All were loud in their praise of Dr. Svendsen, and each feels that she has given him something that it would have been impossible to obtain without her timely assistance.



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Pi Omicron Sigma Fraternity

By ROBERT C. HYLAND, '33

The Pi Omicron Sigma Fraternity opened its activities for the year on Thursday evening, October 8th, by holding a smoker at the school for the members of the Junior Class. The purpose of this smoker was twofold, being, to have the students become better acquainted with each other, and to have them obtain an idea as to the activities of the fraternity. Dr. Ralph Green of the Alumni and the Faculty was the guest speaker and his talk on fraternalism aroused much enthusiasm among the members and students present.

After a week of pledging, sixteen terrified candidates were initiated into the fraternity on the evening of November 6th. The initiation ceremony took place at the Grand Army Hall in Arlington and was enjoyed by all.

During the year the fraternity has sponsored a series of educational lectures having as guest speakers such prominent men in Optometry as Dr. Howard C. Doane, Chairman of the Massachusetts State Board of Examiners, Dr. Clinton R. Padelford, Dr. William Smith and Dr. James Collins of the Colonial Optical Co. The greater part of these lectures were open to the student body and the fraternity again wishes to express its gratitude to the above men for the time and effort they have expended in order that they might assist the students in solving the many problems of the profession.

On Thursday evening, October 29th., the annual Hallowe'en dance was held at the Hotel Vendome. This dance was a decided success and it is hoped that next year it will be possible to have these enjoyable social functions more often.

The final meeting of the fraternity was held on Wednesday evening, May 11th, at the school. The election of officers for next year took place and following this the members adjourned to dinner and the theatre.

The officers elected for the year 1932-1933 are:

Chancellor—Dearborn L. Shaw, Bangor, Me.

Vice Chancellor—Robert C. Hyland, Pittsfield, Mass.

Scribe—E. Perry Truesdale, Somerville, Mass.

Guardian of the Exchequer—Ralph B. Gaeta, Union City, N. J.

Sergeant-at-Arms—George M. Dillon, Milford, Mass.

Member of the Executive Committee—John W. O'Brien, Mattapan, Mass.

Thus another year has ended and the present officers are to be congratulated on their fine work and untiring efforts in making this one of the finest fraternal years ever enjoyed at M. S. O.

SODAS

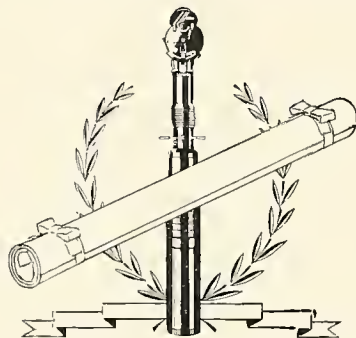
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Three members of the incoming Junior Class will be chosen next year to round out the personnel of the Staff.

The Editor wishes to avail himself of this opportunity to thank each member of the present Staff for the whole-hearted co-operation which has been afforded him during the past year. Words can hardly express gratitude to Miss Alyce McCabe, our congenial School Secretary, for the many, many things she has done and the words of wisdom and guidance which she has smilingly offered throughout the year. Please accept a profoundly sincere "Thank you" Alyce. Last, but not least, we wish to thank our advertisers, who make our little paper possible. May we remind our subscribers that they are reputable business houses offering quality merchandise backed by their own good name who merit and will value your patronage.



JUNIOR CLASS

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Junior Class History

By JOHN T. BEDELL, '33.

We, the Class of '33, have reached the halfway mark. To most of us the summer will be a welcome interlude, if only for the purpose of reviewing and absorbing this year's work.

Ours has been the largest class in the history of M. S. O., notwithstanding the absence of the mysterious Mr. Chill, and on the whole our year has been very successful, both from the academic and social viewpoint. Few of us have felt the sting of failure, and many have made noteworthy progress in the work.

The Junior Class has been especially fortunate in having had Dr. J. I. Pascal added to an already excellent teaching staff. His enthusiasm for the work has proven most infectious. Dr. Klein, has been extraordinarily patient with us and has given us privileges and advantages which no previous class has ever enjoyed. New equipment has been added, and our quarters enlarged. In fact, every facility has been provided, every encouragement offered, to aid us in doing our best. We wish to extend profound thanks to each and every member of the Faculty for their earnest efforts in propounding sufficient and lucid material to lay a firm foundation for the absorption of more intricate knowledge of a most complicated and scientific study.

Socially the year has been a tremendous success. A large majority of the class are active and interested members of the fraternity. We but hope that we can continue the good work that was propagated by the graduating class and make this organization, the Pi Omicron Sigma Fraternity, a worthwhile and beneficial body to be associated with.

Our class dance in April was well attended and supported. We assumed the role of pioneers in that we were the first class to sponsor a like function in a night club. It was strictly informal and thoroughly enjoyed. Those present reflected proper credit on the profession and the occasion elicited much favorable comment.

The annual trip to Southbridge, a yearly invitation extended by the American Optical Co. to visit their enormous plant, far exceeded expectations. It was decidedly interesting and instructive. We wish to thank the American Optical Co. and we might add it is with pleasure that we anticipate next year's visit.

It is with regret that we say "goodbye" to the Senior class. We are indebted to them greatly for the willing co-operation and assistance they have given us, in studies and social functions, and in helping to orient ourselves at school. To them we extend our heartiest well-wishes for continued success in their chosen profession—Optometry.

We hereby make the fervent avowal that we, as students and professional men, shall do all within our power, in offering our little mite, to propel Optometry to the highest heights and we shall guard zealously its good name and future.

Pictures by J. E. PURDY, 160 Tremont St.

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DR. HERMAN KLEIN SPEAKS

Informal talk well received

On Tuesday, May 10, 1932 the Senior Class was given a very interesting and illuminating heart to heart talk by Dr. Herman Klein, a younger brother of the Registrar. Dr. Klein explained many fine points of the "shop" side of the work and then went on to give a few practical details in "office psychology." The younger member of the renowned Klein family fairly oozed personality, and his method of presenting what seemed an extemporaneous talk made a great "hit" with the students. He spoke to the students as man to man and particularly stressed ethics and professionalism of which he left the impression of being a walking exponent. He closed his informal talk by inviting all to visit his office at their disposal and it would not be at all surprising if he had many visitors from M. S. O.

GOOD MEDICINE

Nurse: "Are you going to give my patient something to slow down his heart action?"

Doctor: "Yes, an elderly nurse."

TODAY'S THOUGHT

A good thing to remember,
A better thing to do,
Work with the Construction Gang—
And not with the Wrecking Crew.

SO IT SEEMS

"Is there any truth in the report that Angus MacTavish bought the corner filling station?"

"Well, I don't know for sure, but the 'free air' sign has been taken down."

TWO BAD!

"What was the cause of the collision at that corner today?"

"Two motorists after the same pedestrian."

'S WILL'S ERROR

The twins had been brought to be christened.

"What names?" asked the minister of the husband.

"Steak and kidney," he answered.

"Bill," cried the mother, "it's Kate and Sidney."

SAYS YOU

Kaminsky to Waiter: "I know of nothing more exasperating than to find a hair in my soup."

Waiter — "Well, it would be worse, wouldn't it, to have the soup in your hair?"

AMEN

Hambone's reflection: "Heap o' folks worries over de parts of de Bible what dey can't understand, but I worries over dem I does understand."

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Sympathetic Uveitis or Sympathetic Ophthalmia

By JOHN F. BRENNAN, '32.

Sympathetic Uveitis is a much dreaded pathological condition, in which serious inflammation attacks the sound eye after an injury to the other eye.

The occurrence of this condition, thankfully, has become fewer in recent years, due to the increased skill in the treatment of perforating wounds, particularly in the application of antiseptic principles. A perforated wound, therefore, especially if a foreign body is retained within the eye, is therefore a source of great anxiety.

Sympathetic Uveitis, primarily results from a perforating wound, one such as is caused by a foreign body, which remains within the eye for some period of time. Wounds in the ciliary region, iris or lens, the so-called "dangerous zone," and leading to its incarceration in the scar have always been considered dangerous. If suppuration supervenes, Sympathetic Uveitis is very unlikely to follow, hence perforating ulcers very seldom follow it.

The occurrence of this pathological condition takes place at any age, but children are particularly susceptible. It usually begins from four to eight weeks after the injury to the first eye has taken place. Very rarely it occurs much sooner, but the onset may be delayed for many months or even years.

There is always an Iridocyclitis in the primarily infected eye. Usually it is a plastic type, which has been set up by the injury and has not subsided in the course of three or four weeks. Instead of quieting down, the ciliary injection remains and there is lachrymation and tenderness to pressure.

In the sympathizing eye there is almost always found a plastic Iridocyclitis due to other causes. In cases known to have a predisposition to the condition, the first sign may be the presence of precipitates on the back of the cornea. When fully developed all the signs and symptoms of Iridocyclitis are present, varying in degree to the severity of the case. Tension, although difficult to determine on account of the tenderness, is moderately raised. It may then pass into the condition of lowered tension with gradual shrinking of the globe. In most cases a ring synechia forms and secondary glaucoma supervenes. Sympathetic Uveitis sometimes takes two or more years to run its course.

The pathology of Sympathetic Uveitis is unknown. The microscopic examination in both the primary infected eye and the sympathizing eye are the same. It is probable that the condition in the sympathizing eye is a Proliferative Uveitis (Fuchs) and that the infection, which is pathogenic for the eye alone, is conveyed through the blood stream to the sympathizing eye. (Roemer). In the earliest stages examined, there are nodular aggregations of small round cells scattered throughout the uveal tract.

Evidence which has accumulated in modern times tend to show that Sympathetic Uveitis is an infective disease and is least liable to occur in otherwise likely cases if the wound or retained foreign body is sterile. On the other hand it rarely occurs if actual suppuration has taken place in the primarily infected eye. It is therefore more likely to occur from retention of shot, a chip of stone, glass, etc., than from a particle of hot steel, probably because the latter is sterile.

Various theories have been brought forward to explain the occurrence of inflammation in the sympathizing eye. It has been suggested that severe inflammation in one eye produces a tendency to ciliary irritation in the other eye by some occult means connected with their anatomical and physiological symmetry, but there is no evidence to support this conjecture. The most probable theory is that there is a specific organism, which has as yet escaped observation possibly because it is so small, as to be ultravisible

THE SCOPE

by the microscope, but one which causes general infection through the blood stream. It may be conjectured that the organism is harmless to other organs of the body and that it finds suitable nidus only in the other eye and even then only under favorable circumstances.

The treatment of Sympathetic Uveitis is a most difficult problem. Primarily treatment must be prophylactic. In every case of a perforated wound, with or without retention of a foreign body the question of enucleation of the eye on account of the danger to its fellow arises. It may be assumed that Sympathetic Uveitis never occurs after the excision of an injured eye, unless it has already commenced before the excision. Therefore, excision is a positive safeguard against the disease. Secondary treatment for Sympathetic Iridocyclitis is administered.

Prognosis in this disease is very unfavorable, due to the great inflammation of the entire uveal tract, thus affecting nutritional apparatus of the eye, causing shrinkage and finally atrophy of the entire structures of the eyeball.

Reference: Parsons, Henderson, Fuchs; Dr. Sloane's lectures at the Mass. School of Optometry.

<p><i>With Best Wishes from</i> DR. HENRY SCHURGIN BROCKTON, MASS.</p>	<p><i>Best Wishes of</i> DR. RALPH GREEN BOSTON, MASS.</p>
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The Doctor (glowing) — Well, well, that's fine.

Patient—Yes, I had to sell my car when I got your bill.

OPTOMETRIC STUDENT

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TOUGH TASK

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make all the bad people good, and all the
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